

Solicitation No. S-IN650-16-Q-0128

Question and answer raised by the bidders at the time of walkthru

1. The mechanical filters function properly at a face velocity of 2.5 m/s. To maintain a face velocity of 2.5 m/s, we need filter area of 0.66 sq.m for the 3500 cfm unit.

Answer .1 There may be more space available at the two location shown where the two 3500 cfm unit are to be placed with 0.66 sq.mt (7 sq ft or $7^{1/2} = 2.6$ feet x 2.6 feet area). If you can provide exact dimensions required, we can measure and reconfirm.

- a) At first floor, behind the Library wall AHU. b) At ground floor, to the right side of the stairs as we climb to the library stairs

2. We need a filter area of 0.47 sq.m for the 2500 cfm unit. The area you are giving is 900 mm x 750 mm in the AHU rooms, which is not sufficient to keep the face velocity at 2.5 m/s. Apart from the filtration efficiency, the face velocity has implications on the noise as well.

Answer 2. The area allocated inside the AHU room is 2 -1/2 ' x 3.0' feet in general. A slightly higher velocity is acceptable inside the AHU room SAFU units, as the noise is not a limiting factor inside the AHU room.

Please note the typo error, in all there are 14 units.

1. 3500 cfm – 2 nos
2. 2500 cfm – 7 nos
3. 1000 cfm - 5 units